

What is claimed is:

1. A platen on which a recording medium advances, of an inkjet recording apparatus, comprising:

a grooved section formed in a direction perpendicular to a feeding direction of the recording medium on the platen, to receive oversprayed ink jetted onto the recording medium from a recording head; and

a supporting member which moves up to a supporting position and supports the recording medium when the recording medium crosses over the grooved section, wherein the supporting member prevents the recording medium from falling into the grooved section and maintains a stable distance between the recording medium and the recording head.

2. The platen of the inkjet recording apparatus of claim 1, further comprising:

a notched section to house the support member in the grooved section, and to prevent the supporting member from being stained by oversprayed ink.

3. The platen of the inkjet recording apparatus of claim 2,

wherein the notched section is formed to be cut into a surface of the platen.

4. The platen of the inkjet recording apparatus of claim 1,

wherein when the supporting member moves up to the supporting position, the supporting member rises above the surface of the platen.

5. The platen of the inkjet recording apparatus of claim 2,

wherein the notched section is formed in inner walls of the grooved section.

6. The platen of the inkjet recording apparatus of claim 1, further comprising:

an oversprayed ink absorbing section at a bottom of the grooved section.

7. A platen of an inkjet recording apparatus, comprising:

a plurality of grooved sections, each having the same width in a recording medium feeding direction, aligned serially with an interval between each in two lines which are

perpendicular to a feeding direction of a recording medium,  
and

a plurality of supporting members which support a recording medium, when recording medium crosses over the grooved section, and the supporting members are fixed between the grooved sections in each line,

wherein the grooved sections of a first line is adjacent to the supporting members of a second line in a recording medium feeding direction, and the supporting members of a first line is adjacent to the grooved sections of a second line in a recording medium feeding direction.

8. The platen of the inkjet recording apparatus of claim 7, further comprising:

an oversprayed ink small absorbing section, installed at a bottom of the small grooved section.

9. An inkjet recording apparatus, comprising:

a grooved section formed in a direction perpendicular to a feeding direction of a recording medium on a platen, to receive oversprayed ink jetted onto a recording medium from a recording head; and

a supporting member which moves up to a supporting position and supports the recording medium when the recording medium crosses over the grooved section, wherein the supporting member prevents the recording medium from falling into the grooved section and maintains a stable distance between the recording medium and the recording head.

10. The inkjet recording apparatus of claim 9, further comprising:

a notched section to house the support member in the grooved section, and to prevent the supporting member from being stained by oversprayed ink.

11. The inkjet recording apparatus of claim 10, wherein the notched section is formed to be cut into a surface of the platen.

12. The inkjet recording apparatus of claim 9, wherein when the supporting member moves to a position to support the recording medium, the supporting member rises above the surface of the platen.

13. The inkjet recording apparatus of claim 10,

wherein the notched section is formed in inner walls of the grooved section.

14. The inkjet recording apparatus of claim 10, further comprising:

an oversprayed ink absorbing section at a bottom of the grooved section.

15. An inkjet recording apparatus, comprising:

a plurality of grooved sections, each having the same width in a recording medium feeding direction, aligned serially with an interval between each in two lines which are perpendicular to a feeding direction of a recording medium, and

a plurality of supporting members which support a recording medium, when recording medium crosses over the grooved section, and the supporting members are fixed between the grooved sections in each line,

wherein the grooved sections of a first line is adjacent to the supporting members of a second line in a recording medium feeding direction, and the supporting members of a first line is adjacent to the grooved sections of a second line in a recording medium feeding direction.

16. The inkjet recording apparatus of claim 15, further comprising:

oversprayed ink absorbing sections which are connected each other, installed at the bottoms of the grooved sections.

17. The inkjet recording apparatus of claim 9, further comprising:

a first sensor to detect completion of a borderless printing on a leading edge of the recording medium;

a second sensor to detect a trailing edge of the recording medium; and

a control section to control conveyance of the recording medium based on detected results of the first sensor and the second sensor.

18. The inkjet recording apparatus of claim 9, wherein the supporting member moves up to a supporting position and closes at least a part of the grooved section before the recording medium is fed, and allows the recording medium to cross over the grooved section, and the supporting member moves down to the notched section after the completion

of feeding of the recording medium and opens the grooved section.